

Set Name Query

side by side

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

L10 L9 and (first or second) same component same (cod\$3 or fil\$3) same segment

L9 L8 and (application or software or driv\$3) same lay\$3

L8 L3 and communicat\$3 same user same interface

L7 L6 and user same interface

L6 l4 and (application or software or driv\$3) same lay\$3

L5 L4 and contain\$3 same (application or software or driv\$3) same lay\$3

L4 L3 and (first or second) same component same (cod\$3 or fil\$3) same segment

L3 patient same (data or information) same manag\$6

DB=USPT; PLUR=YES; OP=ADJ

L2 (5790107 or 5716407 or 5415181).pn.

L1 5845254.pn.

Hit Count Set Name

result set

2 L10 *considered all*

49 L9 *considered all*

303 L8

4 L7

4 L6

0 L5

8 L4

2612 L3

3 L2

1 L1

END OF SEARCH HISTORY

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show 8 Numbers](#)[Edit 8 Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
L9 and (first or second) same component same (cod\$3 or fil\$3) same segment	2

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L10

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE:** **Thursday, August 29, 2002** [Printable Copy](#) [Create Case](#)

WEST☐ **Generate Collection** **Print**

L7: Entry 2 of 4

File: USPT

Jul 10, 2001

DOCUMENT-IDENTIFIER: US 6260021 B1

TITLE: Computer-based medical image distribution system and method

Abstract Text (1):

This invention relates to an object-oriented system and method for easily and rapidly distributing medical images from existing picture and report storage systems to a plurality of heterogeneous client workstations. The system includes one or more interface engines, for providing image objects with uniform structure regardless of the type of existing system on which they are stored, and image server middleware, for managing the distribution of image objects. The system also includes a security object server, for authorizing user access to the image distribution system and to particular objects, a personalization object server, for providing user interface preferences and client workstation capabilities, and a web server, for downloading initial access pages and user interface components. The system implements a method for medical image distribution according to which image data stored in existing picture storage systems is first converted into a uniformly structured image objects before being composed for downloading to client workstations for user viewing. The system and method of this invention are easily extensible both for added function and for added performance. The system and method of this invention are preferably implemented according to CORBA standards.

Brief Summary Text (12):

Other specialized information systems exist in the health-care environment. For example, there are specialized departmental-scale systems, such as those for storing and retrieving diagnostic cardiology images, for interfacing to and reporting results from laboratory instruments, for pharmacy management, and so forth. There are also institution-scale Hospital Information ("HI") systems, such as those for patient financial and billing, or for patient admissions, discharge, and transfer ("ADT").

Brief Summary Text (13):

All of these systems, like PAC and RI systems, comprise specialized software designed for the particular application and also often structured in a client-sever, two-tiered, architecture. And like PAC and RI systems, these departmental- or institution-scale information systems (e.g., HI systems) present in the health-care environment cannot be expected to exchange data or to interoperate. Users typically require a separate client to interface each of these systems.

Brief Summary Text (23):

Generally, the system includes one of more interface engines, for providing image objects with uniform structure regardless of the type of existing system on which they are stored, and image server middleware, for managing the distribution of image objects. The system also includes a security object server, for authorizing user access to the image distribution system and to particular objects, a personalization object server, for providing user interface preferences and client workstation capabilities, and a web server, for downloading initial access pages and user interface components. The system implements a method for medical image distribution according to which image data stored in existing picture storage systems is first converted into a uniformly structured image objects before being composed for downloading to client workstations for user viewing. The system and method of this invention are easily extensible both for added function and for added performance. The system and method of this invention are preferably implemented according to CORBA standards.

Brief Summary Text (24):

In a first embodiment, this invention includes a medical image distribution system for distributing medical images from one or more existing storage systems to a plurality of network-attached client workstations, said medical image distribution system comprising

one or more computer systems, and wherein each said network-attached client workstation is configured with an object-oriented graphical interface for receiving medical image requests from a user and for displaying medical image objects to the user; and wherein said one or more computer systems are configured with one or more interface engines, each said interface engine for retrieving medical image data from one or more existing storage systems and for presenting retrieved medical image data as medical image objects with a uniform object-oriented structure, and one or more image object coordinators for receiving medical image requests transmitted from one of said graphical interfaces, for obtaining medical image objects in said uniform object-oriented structure from said one or more interface engines, for composing said medical image objects for display by said graphical interface, and for transmitting said composed medical image objects to the requesting graphical interface.

Brief Summary Text (26):

In a second aspect, the first embodiment also includes: that said one or more computer systems are further configured with a plurality of image object coordinators; that said one or more computer systems are further configured with one or more security object servers for checking the authorization of said user to access the medical image distribution system and to access requested image objects; that said one or more computer systems are further configured with one or more personalization object servers for providing to said image object coordinator information for composing said image objects according to interface preferences of the user and according to capabilities of the client workstation; that said one or more computer systems are further configured with one or more web servers for downloading access-data forms and object-oriented graphical interface modules to client workstations; and that said one or more computer systems are further configured with infrastructure modules of a distributed object system.

Brief Summary Text (34):

In a third aspect, the second embodiment also includes, prior to the step of obtaining a user request, a step of downloading graphical interface modules to the client workstation.

Detailed Description Text (17):

In the third-tier of the medical image distribution system of this invention are client systems, such as system 38, presenting graphical user interfaces ("GUI") which health-care personal use to request and view medical image information from the medical image distribution system. Client systems are linked via network links 36 to medical image server 12. Preferably, links 36 implement the TCP/IP suite of protocols, and accordingly, can be a campus intranet, a wide-area intranet, or even the Internet. In each situation, appropriate security protocols, for example the secured socket layer or other link encryption protocols, are used to insure confidentiality of medical information.

Detailed Description Text (18):

In a preferred embodiment, the client GUI is implemented as an object-oriented interface components of which are downloaded as needed from image server 12. Since only Java currently provides for such download, the client GUI is preferably written either as a Java application or as Java applets in conjunction with a web-browser. The GUI interface present client objects that request information, in particular, medical image data, from medical image server 12. Advantageously, therefore, client and server objects communicate, mediated by the ORBs, over network links 36 using the CORBA/IIOP protocol. In the preferred embodiment, the Java application or applets can be downloaded dynamically when a health-care user accesses the image distribution system and requests particular image data. In that manner, the GUI appropriate for the particular user, the particular workstation, and the particular image data can be made available at any user access equipment. Since the GUI components necessary for particular information or images are downloaded with the images, the most appropriate image display can always be assured throughout the system. A further advantage of the latter arrangement is that display of new types of information can be automatically and routinely provided for by simply downloading new Java-coded GUI objects for their display.

Detailed Description Text (24):

Before describing image object coordinator 54, which is central to the operation of the image server middleware, supporting personalization object server 58 and security object server 60 are described. The personalization object server is a CORBA object server that stores and retrieves profile data from the middleware database. The profile data can include client system profile data and user profile data. Client system

profile data defines the characteristics of a particular client workstation currently accessed by a user, including, inter alia, hardware characteristics such as display resolution and network link speed, and software characteristics such as whether the GUI is resident or to be downloaded. User profile defines user adjustable GUI preferences, such as display layout preferences, font sizes, and default medical image resolutions.

Detailed Description Text (25):

The security object server provides security and access control information necessary to protect medical image data from unauthorized access. Security information specifies, inter alia, key management and encryption algorithms to be used in user sessions with particular client workstations over particular network links. Access control information includes, inter alia, user access control and object access control information. User access control identifies and legitimizes a particular user of the system, and can be by traditional user-id and password or by newer biometric techniques, such as fingerprint identification. As part of legitimization, this information can also specify user role and group, for example, attending or resident physician, nurse and so forth, and object access privileges, for example, all patients, all assigned patients, limited data for assigned patients, and so forth. Object access control information can specify, for each object or group of objects, which users or user groups are allowed access and what levels. Optionally, the security object server can also provide services to date and log an audit trail of each user session.

Detailed Description Text (26):

Again referring to FIG. 2, image object coordinator 54 plays a central role in the image server middleware. Generally, this object server receives client object requests generated by the GUI from user input transparently via ORB 52 from the object-oriented GUI running on a client workstation, such as workstation 38, accessed by the user for medical image data or report data. This object server then, first, checks that the user is authorized to access the requested data by comparing user and object access information from the security object server. If access verification fails, an indication of this failure is returned to the client. Second, if the access verification succeeds, this server interprets these requests and forwards them, again transparently via ORB 52, to the appropriate object interfaces presented by the appropriate CIIE and/or CRIE. Next, responses from the first-tier systems are retrieved from the CIIE and/or the CRIE object interfaces, and the image object coordinator composes the responses for transmission to the client workstation according to the user profile preferences and the client workstation capabilities obtained from the personalization object server. Finally, the image object coordinator returns the composed responses to the object-oriented GUI completing a response to the user request.

Detailed Description Text (59):

Second, the image object coordinator is extended with implementation code to access the new interface engines and to compose cardiology images and reports for transmission to client workstations. The image coordinator makes available its cardiology object definitions, as well as the radiology object definitions, in the object definition data component of the object infrastructure segment of the middleware database so that client workstations can query cardiology-image related information. Alternately, the image distribution middleware can be extended with a separate cardiology-image data object coordinator that provides object coordinator functions similar to the existing image object coordinator, which thereby remains directed to radiology-image data.

Other Reference Publication (3):

Prior FW, Glicksman R, de Greef B. Wong STC. "Computerized Patient Record (CPR) architecture based on distributed objects and Web technologies" in Proc. Healthcare Information Management Systems Society (HIMSS) 1998, vol. 2, pp. 30-38.

Other Reference Publication (4):

Moshteghi M, de Greef B, Hein H, Wang J. Wong STC, Yu PY. "Personalized Web Presentation of Computer-based Patient Records" in Proc. Healthcare Information Management Systems Society (HIMSS) 1998, vol. 4, Orlando, pp. 11-24.

Other Reference Publication (5):

Wong STC, Yu PY, Tjandra D, Glicksman R, Hamel L, Kane B, Prior FW, Carman C. "Report on performance and clinical experience of a Java/CORBRA based computerized patient record." in Proc. Healthcare Information Management Systems Society (HIMSS) Feb. 1999, Atlanta, GA.

CLAIMS:

1. A medical image distribution system for distributing medical images from one or more storage systems for medical images to a plurality of network-attached client workstations, said medical image distribution system comprising one or more network-attached computer systems, and

wherein each said network-attached client workstation is configured with a graphical interface for receiving medical image requests from a user, for transmitting the received medical image requests in an object-oriented format, and for displaying medical image objects received in response to the transmitted requests to the user; and

wherein said one or more network-attached computer systems are configured with

infrastructure modules of a distributed object system for forwarding and transmitting of object requests and responses,

one or more interface engines, each said interface engine presenting a uniform object-oriented interface for retrieving medical image data from the existing storage systems by translating requests between the uniform object-oriented format and individual formats recognized by the storage systems and for returning retrieved medical image data as medical image objects in the uniform object-oriented structure, and

one or more image object coordinators for receiving the object-oriented medical image user requests transmitted from said client workstations, for obtaining objects with requested medical images by forwarding retrieval requests in the uniform object-oriented format to said one or more interface engines, for composing said obtained medical image objects according to preferences of the user and capabilities of the client workstation for display at the client workstations, and for transmitting said composed medical image objects to the requesting client workstation as a response to the transmitted object-oriented user requests.

2. The system as claimed in claim 1, wherein said one or more computer systems are further configured with

one or more report interface engines, each said report interface engine presenting a uniform object-oriented interface for retrieving medical report data associated with said medical image data from the existing storage systems by translating requests between the uniform object-oriented format and individual formats recognized by the storage systems and for returning retrieved medical report data as medical report objects in the uniform object-oriented structure, and

wherein said one or more image object coordinators further receive object-oriented medical report user requests associated with said medical image data transmitted from the client workstations, obtain objects with requested medical reports by forwarding retrieval requests in the uniform object-oriented format to said one or more report interface engines, compose said obtained medical report objects according to preferences of the user and capabilities of the client workstation for display at the client workstations, and transmit said composed medical report objects to the requesting client workstation as a response to transmitted object-oriented user requests.

5. The system as claimed in claim 1, wherein said one or more computer systems are further configured with one or more personalization object servers for providing to said image object coordinators information for composing said image objects according to interface preferences of the user and according to capabilities of the client workstation.

10. The system as claimed in claim 9, wherein said one or more computer systems are further configured with one or more cardiology image object coordinators for receiving object-oriented cardiology image user requests transmitted from said client workstations, for obtaining objects with requested cardiology images by forwarding retrieval requests in the uniform object-oriented format to said one or more cardiology interface engines, for composing said obtained cardiology image objects according to preferences of the user and capabilities of the client workstation for display at the client workstations, and for transmitting said composed cardiology image objects to the requesting client workstation as a response to transmitted object-oriented user requests.

20. A method for medical image distribution by one or more network-attached computer systems from one or more storage systems for medical images to a user at a network-attached client workstation comprising:

receiving a user request at a client workstation for a medical image,

transmitting the received user request for the medical image in an object-oriented format from the client workstation to an image object coordinator at the one or more network-attached computer systems,

forwarding a retrieval request for the requested medical image in a uniform object-oriented format from the image object coordinator to an interface engine at the one or more network-attached computer systems,

retrieving the requested medical image data for the requested medical image by the interface engine from one of said existing storage systems, wherein the retrieving further comprises translating requests between the uniform object-oriented format and individual formats recognized by the storage systems,

composing medical image objects received by the image object coordinator from the interface engine in the uniform object-oriented format according to preferences of the user and capabilities of the client workstation,

transmitting said composed medical image object by the image object coordinator to the client workstation as a response to the transmitted object-oriented user request, and

displaying by the client workstation of said transmitted composed medical image objects to the user.

23. The method of claim 20 further comprising, prior to the step of receiving a user request, a step of downloading object-oriented graphical interface modules to the client workstation.

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 49 of 49 returned.**☐ 1. Document ID: US 20020103811 A1

L9: Entry 1 of 49

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020103811

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020103811 A1

TITLE: Method and apparatus for locating and exchanging clinical information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FORM	Draw Desc	Image
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☐ 2. Document ID: US 20020103512 A1

L9: Entry 2 of 49

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020103512

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020103512 A1

TITLE: Adaptive method and apparatus for forecasting and controlling neurological disturbances under a multi-level control

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FORM	Draw Desc	Image
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☐ 3. Document ID: US 20020099273 A1

L9: Entry 3 of 49

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020099273

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020099273 A1

TITLE: System and user interface for use in providing medical information and health care delivery support

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FORM	Draw Desc	Image
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☐ 4. Document ID: US 20020095605 A1

L9: Entry 4 of 49

File: PGPB

Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020095605

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020095605 A1

TITLE: System and user interface for managing user access to network compatible applications

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMW	Draw Desc	Image
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☐ 5. Document ID: US 20020095584 A1

L9: Entry 5 of 49

File: PGPB

Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020095584

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020095584 A1

TITLE: System and user interface supporting concurrent application initiation and interoperability

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMW	Draw Desc	Image
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☐ 6. Document ID: US 20020095567 A1

L9: Entry 6 of 49

File: PGPB

Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020095567

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020095567 A1

TITLE: System and user interface supporting URL processing and concurrent application operation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMW	Draw Desc	Image
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☐ 7. Document ID: US 20020091991 A1

L9: Entry 7 of 49

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020091991

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020091991 A1

TITLE: Unified real-time microprocessor computer

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMW	Draw Desc	Image
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☐ 8. Document ID: US 20020091548 A1

L9: Entry 8 of 49

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020091548

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020091548 A1

TITLE: System and method for annotating patient medical information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMW	Draw Desc	Image
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☐ 9. Document ID: US 20020082870 A1

L9: Entry 9 of 49

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020082870
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020082870 A1

TITLE: System and method for processing patient medical information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FWMC	Draw Desc	Image
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☐ 10. Document ID: US 20020082867 A1

L9: Entry 10 of 49

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020082867
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020082867 A1

TITLE: Cardiopulmonary monitoring

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FWMC	Draw Desc	Image
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☐ 11. Document ID: US 20020077863 A1

L9: Entry 11 of 49

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020077863
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020077863 A1

TITLE: System and method for processing patient medical information acquired over a plurality of days

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FWMC	Draw Desc	Image
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☐ 12. Document ID: US 20020077862 A1

L9: Entry 12 of 49

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020077862
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020077862 A1

TITLE: System for processing and customizing ventilator information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FWMC	Draw Desc	Image
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☐ 13. Document ID: US 20020077849 A1

L9: Entry 13 of 49

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020077849
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020077849 A1

TITLE: System and method for improving efficiency of health care

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FORM	Draw Desc	Image
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☐ 14. Document ID: US 20020069220 A1

L9: Entry 14 of 49

File: PGPB

Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020069220

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020069220 A1

TITLE: REMOTE DATA ACCESS AND MANAGEMENT SYSTEM UTILIZING HANDWRITING INPUT

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FORM	Draw Desc	Image
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☐ 15. Document ID: US 20020065686 A1

L9: Entry 15 of 49

File: PGPB

May 30, 2002

PGPUB-DOCUMENT-NUMBER: 20020065686

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020065686 A1

TITLE: System and method for navigating patient medical information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FORM	Draw Desc	Image
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☐ 16. Document ID: US 20020059132 A1

L9: Entry 16 of 49

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059132

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020059132 A1

TITLE: Online bidding for a contract to provide a good or service

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FORM	Draw Desc	Image
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☐ 17. Document ID: US 20020059049 A1

L9: Entry 17 of 49

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020059049

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020059049 A1

TITLE: System and method for rapidly customizing design, manufacture and/or selection of biomedical devices

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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FORM	Draw Desc	Image
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☐ 18. Document ID: US 20020042726 A1

L9: Entry 18 of 49

File: PGPB

Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042726
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020042726 A1

TITLE: Prescription management system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 19. Document ID: US 20020042725 A1

L9: Entry 19 of 49

File: PGPB

Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042725
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020042725 A1

TITLE: Computerized prescription system for gathering and presenting information relating to pharmaceuticals

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 20. Document ID: US 20020029776 A1

L9: Entry 20 of 49

File: PGPB

Mar 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020029776
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020029776 A1

TITLE: Processing program data for medical pumps

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 21. Document ID: US 20020016718 A1

L9: Entry 21 of 49

File: PGPB

Feb 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020016718
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020016718 A1

TITLE: Medical image management system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 22. Document ID: US 20020010679 A1

L9: Entry 22 of 49

File: PGPB

Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010679
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020010679 A1

TITLE: Information record infrastructure, system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 23. Document ID: US 20020007284 A1

L9: Entry 23 of 49

File: PGPB

Jan 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020007284

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020007284 A1

TITLE: System and method for implementing a global master patient index

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 24. Document ID: US 20010056358 A1

L9: Entry 24 of 49

File: PGPB

Dec 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010056358

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010056358 A1

TITLE: Method and apparatus for providing medication administration warnings

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 25. Document ID: US 20010051881 A1

L9: Entry 25 of 49

File: PGPB

Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010051881

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010051881 A1

TITLE: System, method and article of manufacture for managing a medical services network

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 26. Document ID: US 20010051880 A1

L9: Entry 26 of 49

File: PGPB

Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010051880

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010051880 A1

TITLE: System and method for connecting a healthcare business to a plurality of laboratories

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMIC	Draw Desc	Image
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☐ 27. Document ID: US 20010051879 A1

L9: Entry 27 of 49

File: PGPB

Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010051879

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010051879 A1

TITLE: System and method for managing security for a distributed healthcare application

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 28. Document ID: US 20010049673 A1

L9: Entry 28 of 49

File: PGPB

Dec 6, 2001

PGPUB-DOCUMENT-NUMBER: 20010049673

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010049673 A1

TITLE: Method and apparatus for displaying medication information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 29. Document ID: US 20010047125 A1

L9: Entry 29 of 49

File: PGPB

Nov 29, 2001

PGPUB-DOCUMENT-NUMBER: 20010047125

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010047125 A1

TITLE: Method and apparatus for health and disease management combining patient data monitoring with wireless internet connectivity

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 30. Document ID: US 20010042080 A1

L9: Entry 30 of 49

File: PGPB

Nov 15, 2001

PGPUB-DOCUMENT-NUMBER: 20010042080

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010042080 A1

TITLE: Augmentation system for documentation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 31. Document ID: US 6416471 B1

L9: Entry 31 of 49

File: USPT

Jul 9, 2002

US-PAT-NO: 6416471

DOCUMENT-IDENTIFIER: US 6416471 B1

TITLE: Portable remote patient telemonitoring system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RVC	Draw Desc	Image
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☐ 32. Document ID: US 6397098 B1

L9: Entry 32 of 49

File: USPT

May 28, 2002

US-PAT-NO: 6397098

DOCUMENT-IDENTIFIER: US 6397098 B1

TITLE: Data communication and control for medical imaging systems

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RVC	Draw Desc	Image
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☐ 33. Document ID: US 6327594 B1

L9: Entry 33 of 49

File: USPT

Dec 4, 2001

US-PAT-NO: 6327594

DOCUMENT-IDENTIFIER: US 6327594 B1

TITLE: Methods for shared data management in a pervasive computing environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RVC	Draw Desc	Image
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☐ 34. Document ID: US 6260021 B1

L9: Entry 34 of 49

File: USPT

Jul 10, 2001

US-PAT-NO: 6260021

DOCUMENT-IDENTIFIER: US 6260021 B1

TITLE: Computer-based medical image distribution system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RVC	Draw Desc	Image
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☐ 35. Document ID: US 6202060 B1

L9: Entry 35 of 49

File: USPT

Mar 13, 2001

US-PAT-NO: 6202060

DOCUMENT-IDENTIFIER: US 6202060 B1

TITLE: Data management system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RVC	Draw Desc	Image
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☐ 36. Document ID: US 6188988 B1

L9: Entry 36 of 49

File: USPT

Feb 13, 2001

US-PAT-NO: 6188988

DOCUMENT-IDENTIFIER: US 6188988 B1

TITLE: Systems, methods and computer program products for guiding the selection of therapeutic treatment regimens

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 37. Document ID: US 6157935 A

L9: Entry 37 of 49

File: USPT

Dec 5, 2000

US-PAT-NO: 6157935

DOCUMENT-IDENTIFIER: US 6157935 A

TITLE: Remote data access and management system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 38. Document ID: US 6081786 A

L9: Entry 38 of 49

File: USPT

Jun 27, 2000

US-PAT-NO: 6081786

DOCUMENT-IDENTIFIER: US 6081786 A

TITLE: Systems, methods and computer program products for guiding the selection of therapeutic treatment regimens

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 39. Document ID: US 6078747 A

L9: Entry 39 of 49

File: USPT

Jun 20, 2000

US-PAT-NO: 6078747

DOCUMENT-IDENTIFIER: US 6078747 A

TITLE: Application program interface to physical devices

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 40. Document ID: US 6004276 A

L9: Entry 40 of 49

File: USPT

Dec 21, 1999

US-PAT-NO: 6004276

DOCUMENT-IDENTIFIER: US 6004276 A

TITLE: Open architecture cardiology information system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RMK	Draw Desc	Image
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☐ 41. Document ID: US 5920870 A

L9: Entry 41 of 49

File: USPT

Jul 6, 1999

US-PAT-NO: 5920870

DOCUMENT-IDENTIFIER: US 5920870 A

TITLE: Multi-layer abstraction bucket mechanism

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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MMMC	Draw Desc	Image
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☐ 42. Document ID: US 5899998 A

L9: Entry 42 of 49

File: USPT

May 4, 1999

US-PAT-NO: 5899998

DOCUMENT-IDENTIFIER: US 5899998 A

TITLE: Method and system for maintaining and updating computerized medical records

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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MMMC	Draw Desc	Image
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☐ 43. Document ID: US 5845255 A

L9: Entry 43 of 49

File: USPT

Dec 1, 1998

US-PAT-NO: 5845255

DOCUMENT-IDENTIFIER: US 5845255 A

TITLE: Prescription management system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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MMMC	Draw Desc	Image
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☐ 44. Document ID: US 5737539 A

L9: Entry 44 of 49

File: USPT

Apr 7, 1998

US-PAT-NO: 5737539

DOCUMENT-IDENTIFIER: US 5737539 A

TITLE: Prescription creation system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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MMMC	Draw Desc	Image
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☐ 45. Document ID: US 5734915 A

L9: Entry 45 of 49

File: USPT

Mar 31, 1998

US-PAT-NO: 5734915

DOCUMENT-IDENTIFIER: US 5734915 A

TITLE: Method and apparatus for composing digital medical imagery

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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MMMC	Draw Desc	Image
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☐ 46. Document ID: US 5732074 A

L9: Entry 46 of 49

File: USPT

Mar 24, 1998

US-PAT-NO: 5732074

DOCUMENT-IDENTIFIER: US 5732074 A

TITLE: Mobile portable wireless communication system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWMC	Draw Desc	Image
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☐ 47. Document ID: US 5724575 A

L9: Entry 47 of 49

File: USPT

Mar 3, 1998

US-PAT-NO: 5724575

DOCUMENT-IDENTIFIER: US 5724575 A

TITLE: Method and system for object-based relational distributed databases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWMC	Draw Desc	Image
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☐ 48. Document ID: US 5668998 A

L9: Entry 48 of 49

File: USPT

Sep 16, 1997

US-PAT-NO: 5668998

DOCUMENT-IDENTIFIER: US 5668998 A

TITLE: Application framework of objects for the provision of DICOM services

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWMC	Draw Desc	Image
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☐ 49. Document ID: US 5560005 A

L9: Entry 49 of 49

File: USPT

Sep 24, 1996

US-PAT-NO: 5560005

DOCUMENT-IDENTIFIER: US 5560005 A

TITLE: Methods and systems for object-based relational distributed databases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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